

Docket No.: 1998P2056D

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By: *Minghong Chen*

Date: August 30, 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applic. No. : 10/626,944 Confirmation No: 3227
Applicant : Mauricio Esguerra et al.
Filed : July 25, 2003
Title : Method for Producing a Megnetic Device
Art Unit : 1755
Examiner : Carol M. Koslow

Docket No. : 1998P2056D
Customer No. : 24131

INFORMATION DISCLOSURE STATEMENT

Hon. Commissioner for Patents

Sir:

As requested by the Examiner in the Office action, dated June 3, 2005 applicants herewith cite the following references, including a statement of relevance on a separate sheet of paper, in accordance with 37C.F.R. 1.98 (a)(1). Copies of the references were previously submitted.

German Published Non-Prosecuted Patent Application No. DE 39 01 345 A1 (Kumurdjian), dated November 21, 1991;

German Published Non-Prosecuted Patent Application No. DE 28 11 227 A1 (Hvidtfeldt et al.), dated September 28, 1978;

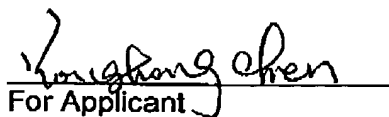
German Published Non-Prosecuted Patent Application No. DE 37 29 700 A1 (Beer), dated March 23, 1989;

German Patent No 975 757 (Kornetzki), dated August 9, 1962;

German Patent No. 877 177 (Bandur), dated May 21, 1953;

French Publication No. 2 738 949 (Delvinquier et al.), dated March 21, 1997.

Respectfully submitted,


For Applicant

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FORM PTO-1449 (SUBSTITUTE)				Attorney Docket No.: 1998P2056D		Applic. No. 10/626,944	
U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE				Applicant Mauricio Esguerra, et al.			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (37 CFR 1.98(b))				Filing Date July 25, 2003		Group Art Unit 1755	
U.S. PATENT DOCUMENTS							
EXAMINER INITIALS		PATENT NO.	DATE	PATENTEE	CLASS	SUB CLASS	FILING DATE
	A						
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FOREIGN PATENT DOCUMENT							
		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB CLASS	TRANSL. YES NO
	J	39 01 345 A1	11-1991	Germany			
	K	28 11 227	09-1978	Germany			
	L	37 29 700 A1	03-1989	Germany			
	M	975 757	08-1962	Germany			
	N	877 177	05-1953	Germany			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)							
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EXAMINER				DATE CONSIDERED			
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

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FORM PTO-1449 (SUBSTITUTE) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (37 CFR 1.98(b))				Attorney Docket No.: 1998P2056D Applicant Mauricio Esguerra, et al. Filing Date July 25, 2003 Group Art Unit 1755			
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EXAMINER INITIALS		PATENT NO.	DATE	PATENTEE	CLASS	SUB CLASS	FILING DATE
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FOREIGN PATENT DOCUMENT							
		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB CLASS	TRANSL. YES NO
	J	2 738 949	03-1997	France			
	K						
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)							
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EXAMINER				DATE CONSIDERED			
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Concise explanation of the relevance

DE 39 01 345 A1 discloses a coating, which contains at least a thin layer having the effect of electrical absorption. The thin layer has shavings arranged in a binding agent. The shavings are preferably constructed as multi layers made of a cobalt alloy and an electrical insulating material. The bonding agent is, for example, an oxide, an oxide mixture, or a resin.

DE 28 11 227 A1 discloses a magnetic core for coils, which consists of a pressed powder with heavily dissipated grain sizes, a colloidal binding agent and approximately 1 % resin.

DE 37 29 700 A1 discloses a method for producing granules, which can be pressed, for a sintered ceramic material. The powdered raw materials, in particular ferrite, are mixed, ground, and mixed with a bonding agent. Polyvinyl alcohol is preferably used as a binding agent.

DE 97 5757 discloses a method for producing sintered ferrite bodies wherein a powdered material is mixed with silicon and then sintered.

DE 877 177 discloses a method for producing magnetic cores wherein magnetic particles are mixed with a filling material, a metal hydrate solution, or a silicate solution and are then exposed to a heat treatment of 60-90° C. Finally, the sticky particles are broken into
_____pieces and formed into magnetic cores.

FR 2 738 949 A1 discloses a compound magnetic material in which a ceramic plate-shaped magnetic material is
_____dispersed in a dielectric binding agent, for example, resin. The material is used for magnetic cores.

None of the references discloses the composition of a magnetic device of two fractions of particles with varying grain sizes, according to the invention of the instant application.